

CLAIMS

What is claimed is:

1. A system for communication between a peripheral device and the operating system of a wireless device, comprising:
 - a wireless device having a computer platform, and at least a communication portal, the computer platform including an operating system that manages wireless device resources and the interaction of the wireless device with other computer devices, the computer platform including one or more resident programs; and
 - at least one peripheral device that selectively communicates with the computer platform of the wireless device;
 - wherein upon the peripheral device communicating with the computer platform of the wireless device, the operating system of the wireless device at least linking one or more resident programs with the peripheral device.
2. The system of claim 1, wherein peripheral device communicates through a wired connection to the computer platform of the wireless device.
3. The system of claim 1, wherein the peripheral device communicates through a wireless connection to the computer platform of the wireless device.
4. The system of claim 1, wherein the peripheral device sends a class identifier to the operating system of the wireless device and the operating system determines the type of peripheral device communicating with the wireless device, and selects the appropriate handler for that peripheral device based upon the class identifier.
5. The system of claim 1, wherein the operating system of the wireless device identifies the specific peripheral device in communication based upon a specific identifier of the peripheral device given at the beginning of communication.
6. The system of claim 1, wherein peripheral uses the wireless device as a communication portal to the Internet.

7. The system of claim 1, wherein the peripheral device uses the wireless device as a communication portal over a telephone network.

8. The system of claim 1, wherein the peripheral device communicates with the computer platform of the wireless device through the communication portal of the computer platform.

9. A system for communication between computer devices, comprising:
a wireless communication means for communicating across a wireless network,
the wireless communication means including a control means for managing wireless communication means resources and the interaction of the wireless communication means with other computer devices; and

at least one peripheral device that selectively communicates with the wireless communication means;

wherein upon the peripheral device communicating with the wireless communication means, the control means of the wireless communication means establishing communication between the peripheral device and the wireless communication means resources.

10. A method for communication between a peripheral device and one or more programs resident on a wireless computer device, comprising the steps of:

starting a communication between a peripheral device and a wireless device having a computer platform with at least a communication portal, the computer platform including an operating system that manages wireless device resources and the interaction of the wireless device with other computer devices, and the computer platform further including one or more resident programs;

determining, at the operating system of the wireless device, the identity of peripheral device that has started communication with the wireless device; and

linking, with the operating system, the communication between the peripheral device and one or more resident programs of the wireless device.

11. The method of claim 10, wherein the step of starting a communication between a peripheral device and a wireless device occurs through a wired connection to the computer platform of the wireless device.

12. The method of claim 10, wherein the step of starting a communication between a peripheral device and a wireless device occurs through a wireless connection to the computer platform of the wireless device.

13. The method of claim 10, further comprising the steps of:
sending a device class identifier to the operating system of the wireless device;
and
selecting at the operating system the appropriate handler for that peripheral device based upon the selected class.

14. The method of claim 10, further comprising the steps of:
sending a specific identifier to the operating system of the wireless device at the beginning of communication; and
identifying, at the operating system, the specific peripheral device in communication based upon a specific identifier of the peripheral device given at the beginning of communication.

15. The method of claim 10, wherein the step of starting a communication between a peripheral device and a wireless device occurs through the communication portal of the computer platform.

16. A method for communication between a peripheral device and the resident computer programs on a wireless computer device, comprising the steps of:
a step for starting a communication between a peripheral device and a wireless device having a computer platform with at least a communication portal, the computer platform including an operating system that manages wireless device resources and the interaction of the wireless device with other computer devices;
a step for determining, at the operating system of the wireless device, the identity of peripheral device that has started communication with the wireless device; and
a step for linking, with the operating system, the peripheral device with the one or more resident programs.

17. A device having a computer platform and at least a wireless communication portal, the computer platform including an operating system that manages device resources and the interaction of the wireless device with one or more other peripheral devices in communication with the device, the computer platform further including one or more resident programs, and wherein upon a peripheral device communicating with the computer platform of the wireless device, the operating system of the wireless device linking at least one or more resident programs with the peripheral device.

18. The device of claim 17, wherein the device communicates with a peripheral device through a wired connection from the computer platform of the wireless device.

19. The device of claim 17, wherein the wireless device communication with a peripheral device through a wireless connection from the computer platform of the wireless device.

20. The device of claim 17, wherein the operating system of the wireless device determines the type of peripheral device communicating with the wireless device based upon a device identifier sent from the peripheral device and selects the appropriate handler for that peripheral device based upon the selected class.

21. The device of claim 17, wherein the operating system of the wireless device identifies the specific peripheral device in communication based upon a specific identifier of the peripheral device given at the beginning of communication.

22. The device of claim 17, wherein communication of the peripheral device with the computer platform occurs through the communication portal.

23. A method at a wireless computer device for managing communication with a peripheral device, comprising the steps of:

receiving a communication from a peripheral device at a computer platform of the wireless device, the computer platform having at least a communication portal and including an operating system that manages wireless device resources and the

interaction of the wireless device with other computer devices, the computer platform including one or more resident programs;

determining, at the operating system of the wireless device, the identity of the peripheral device that has started communication with the wireless device; and

linking, with the operating system, the peripheral device and one or more resident programs of the wireless device.

24. The method of claim 23, wherein the step of receiving a communication occurs through a wired connection to the computer platform of the wireless device.

25. The method of claim 23, wherein the step of receiving a communication occurs through a wireless connection to the computer platform of the wireless device.

26. The method of claim 23, further comprising the steps of:
receiving a device class identifier of the peripheral device at the operating system of the wireless device; and
selecting at the operating system the appropriate handler for that peripheral device based upon the class identifier.

27. The method of claim 23, further comprising the steps of:
receiving a specific identifier at the operating system of the wireless device at the beginning of communication; and
identifying, at the operating system, the specific peripheral device in communication based upon a specific identifier of the peripheral device given at the beginning of communication.

28. The method of claim 25, wherein the step of receiving a communication from a peripheral device occurs through the communication portal of the computer platform.

29. In a computer readable medium, a program that, when executed by a computer device having a computer platform with one or more resident programs and at least a wireless communication portal, and including an operating system that manages

wireless device resources and the interaction of the wireless device with other computer devices, causes the computer device to perform the steps of:

 determining, at the operating system, the identity of a peripheral computer device that has started communication with the wireless device; and

 linking, with the operating system, the peripheral computer device and one or more resident programs on the computer platform of the computer device.

30. The program of claim 29, wherein the program causes the computer device communicate with the peripheral device through the wireless communication portal.

31. The program of claim 29, further causing the computer device to perform the steps of:

 retrieving a device class identifier at the beginning of communication; and

 selecting the appropriate handler for that peripheral device based upon the selected device class.

32. The program of claim 29, further causing the computer device to perform the steps of:

 retrieving a specific peripheral device identifier at the beginning of communication; and

 identifying the specific peripheral device in communication based upon the specific peripheral device identifier.